



FIG. 9A

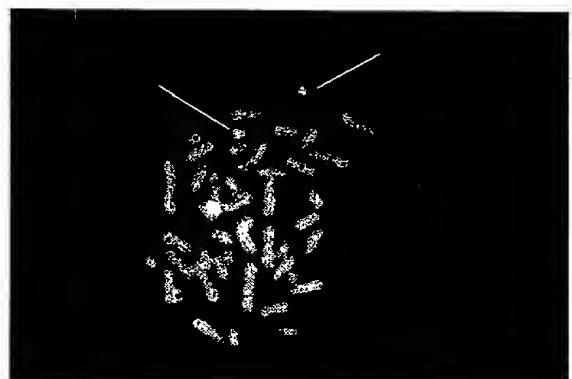


FIG. 9B

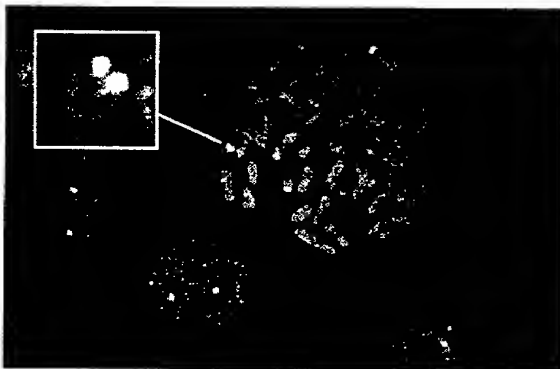


FIG. 9C

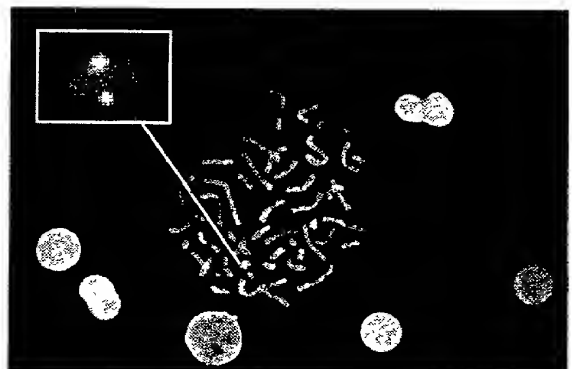


FIG. 9D



FIG. 9E

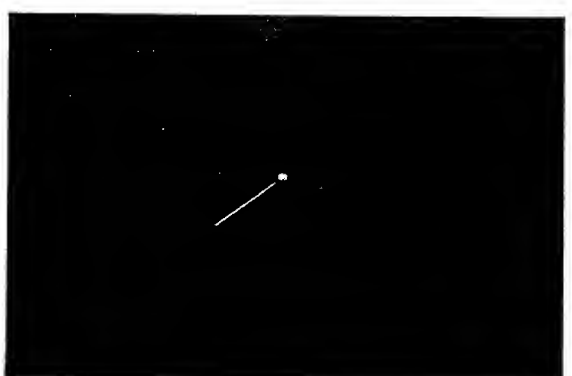


FIG. 9F



FIG. 10

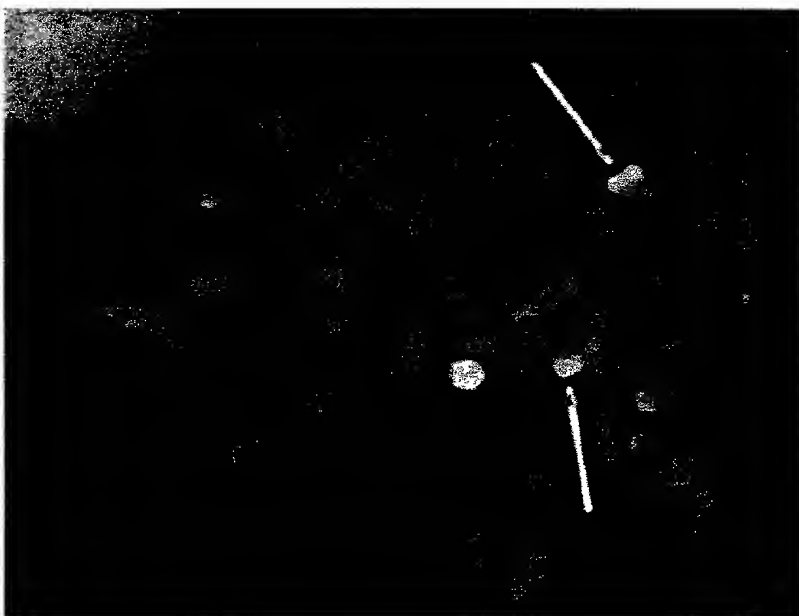


FIG. 12

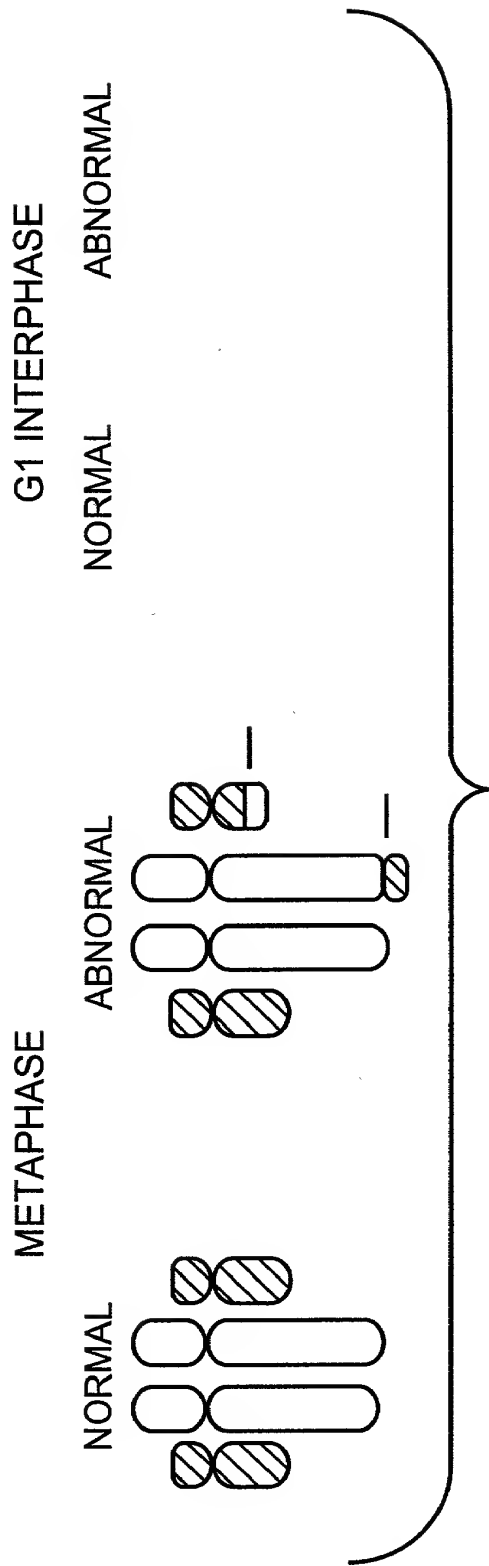


FIG. 11A

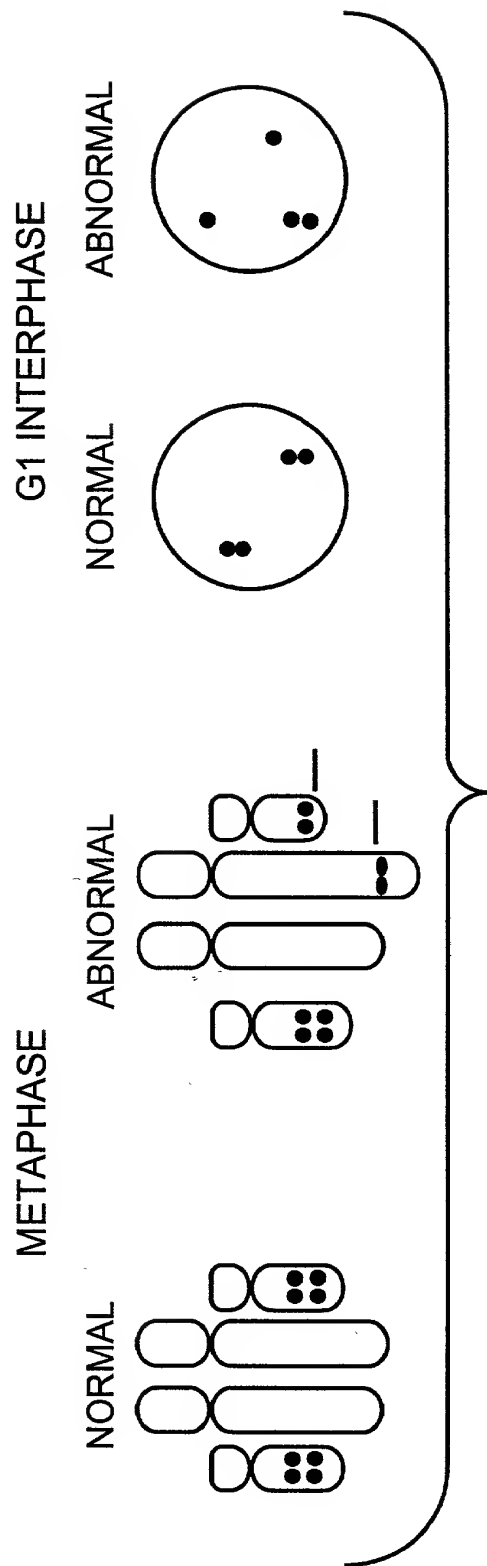


FIG. 11B

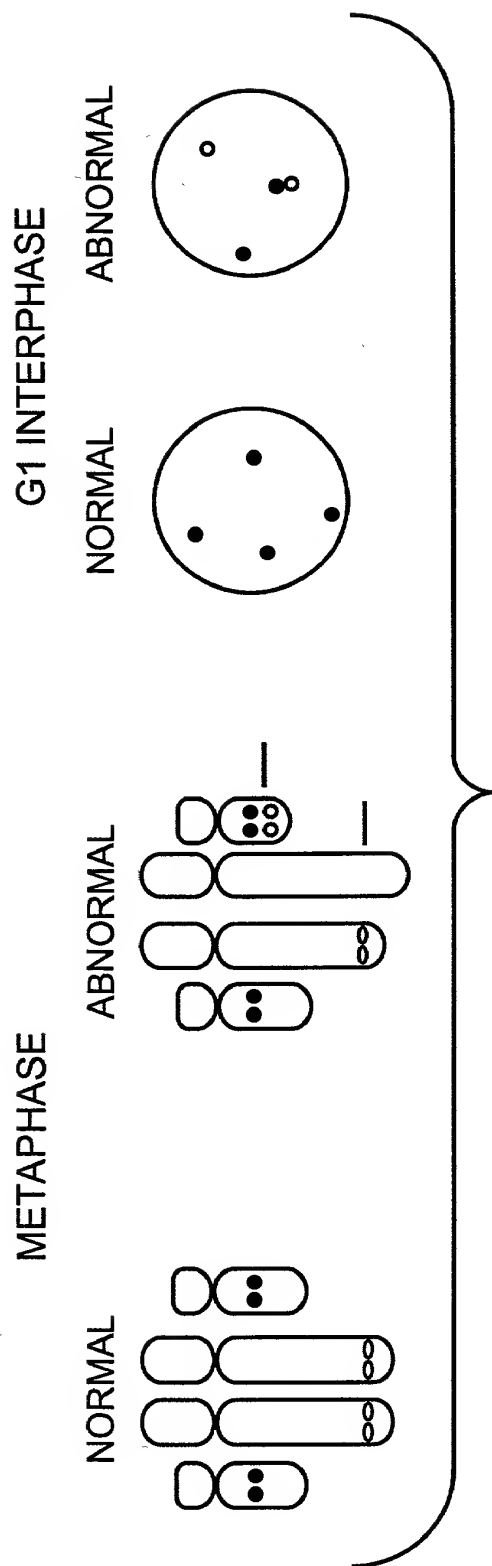


FIG. 11C

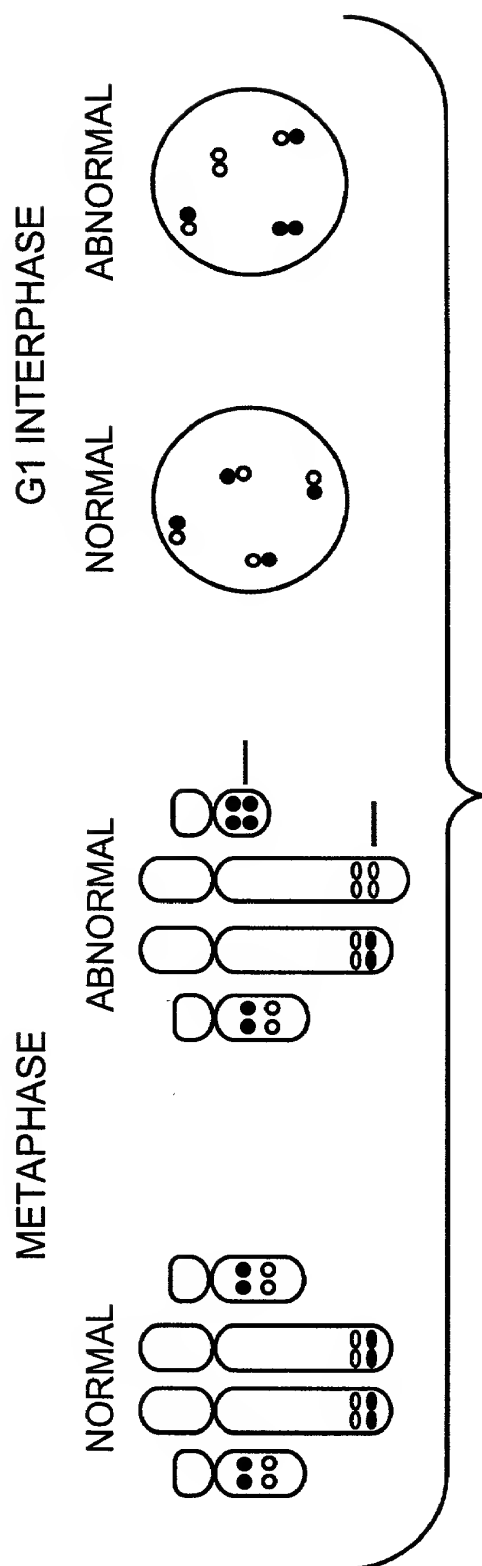
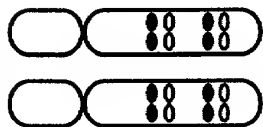


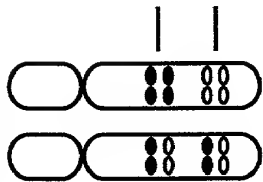
FIG. 11D

METAPHASE

NORMAL

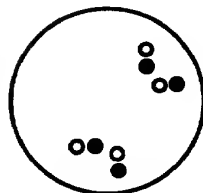


ABNORMAL



G1 INTERPHASE

NORMAL



ABNORMAL

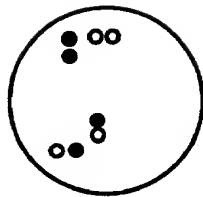
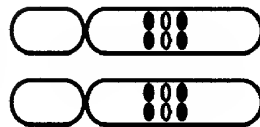


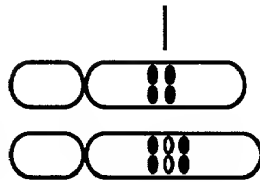
FIG. 11E

METAPHASE

NORMAL

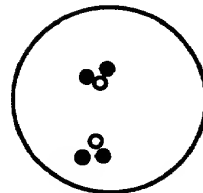


ABNORMAL



G1 INTERPHASE

NORMAL



ABNORMAL

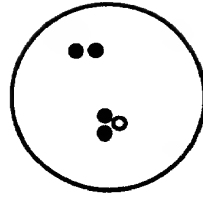


FIG. 11F



FIG. 1A

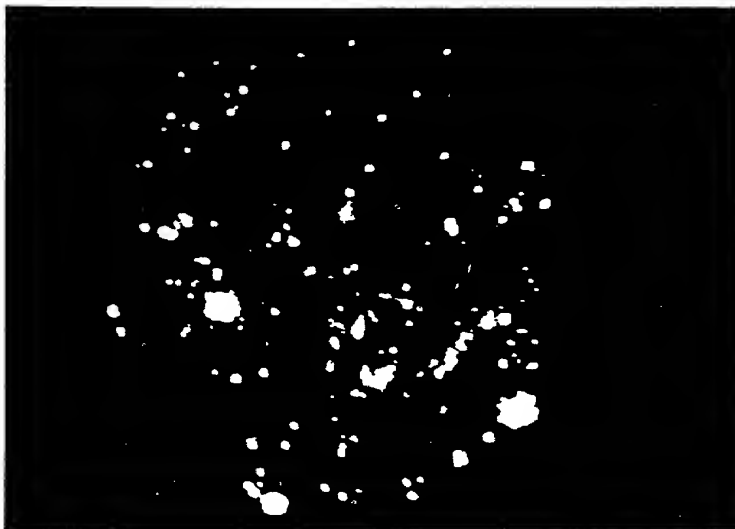


FIG. 1B

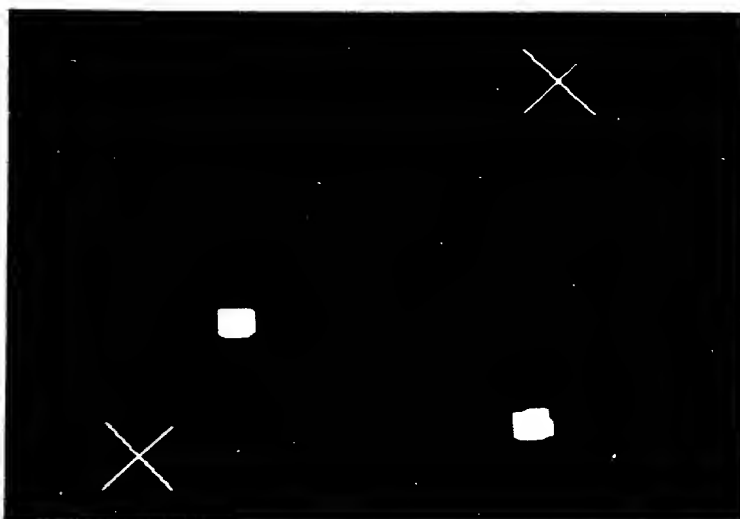


FIG. 1C



FIG. 2A



FIG. 2B

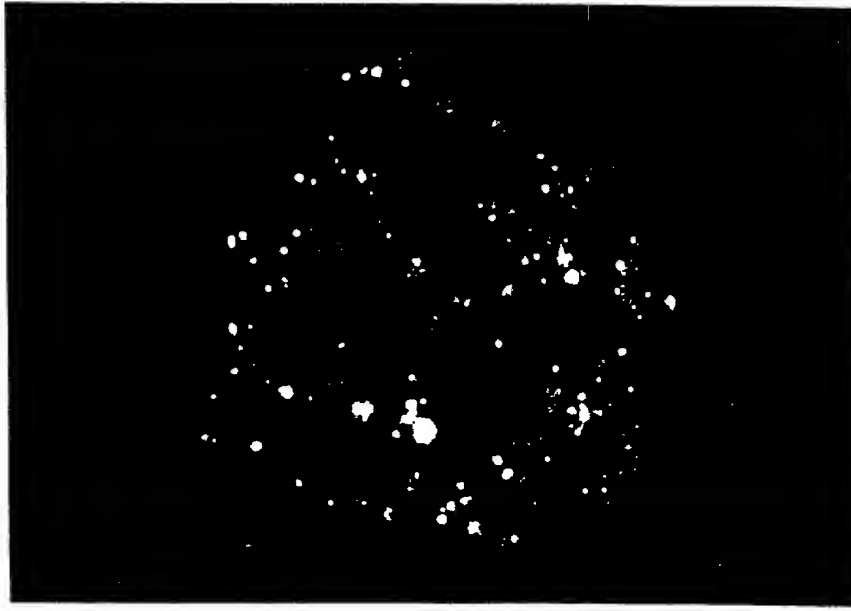


FIG. 3



FIG. 4A



FIG. 4B



FIG. 4C



FIG. 4D



FIG. 4E



FIG. 4F



FIG. 4G

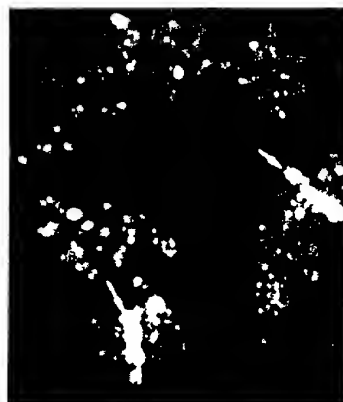


FIG. 4H

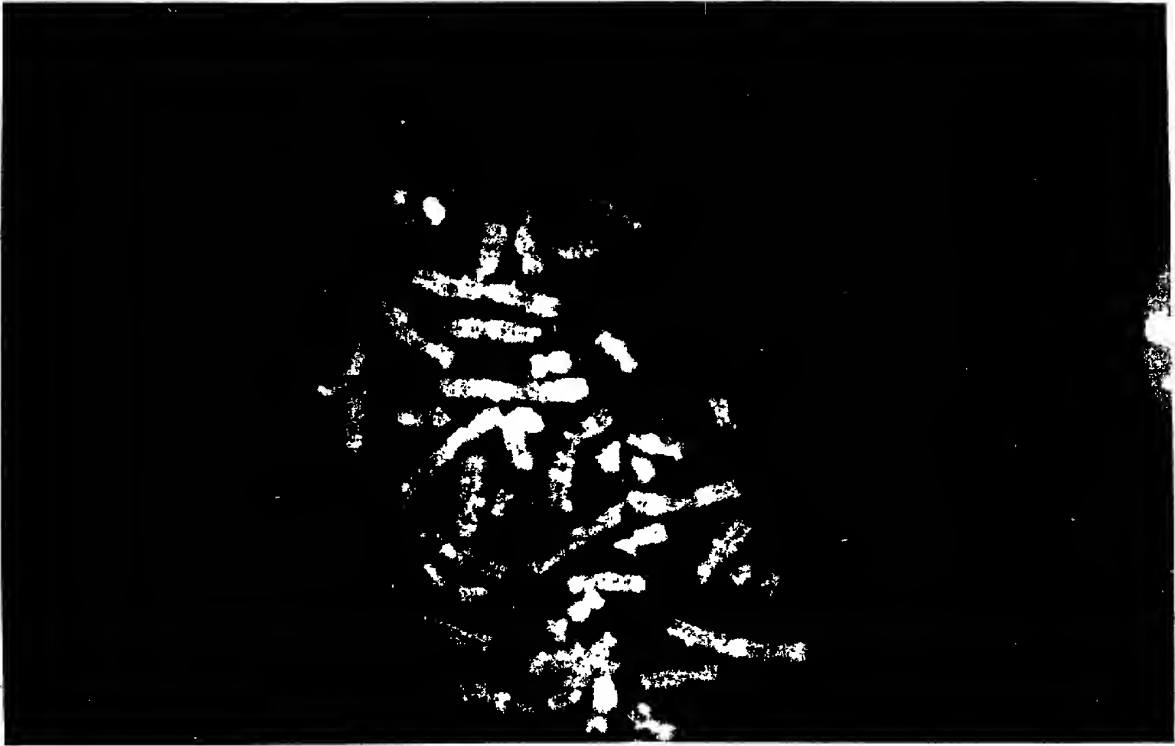


FIG. 5

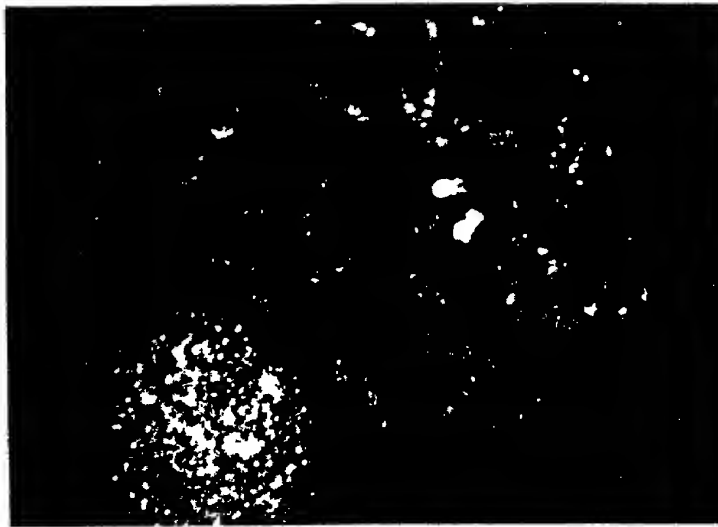


FIG. 6

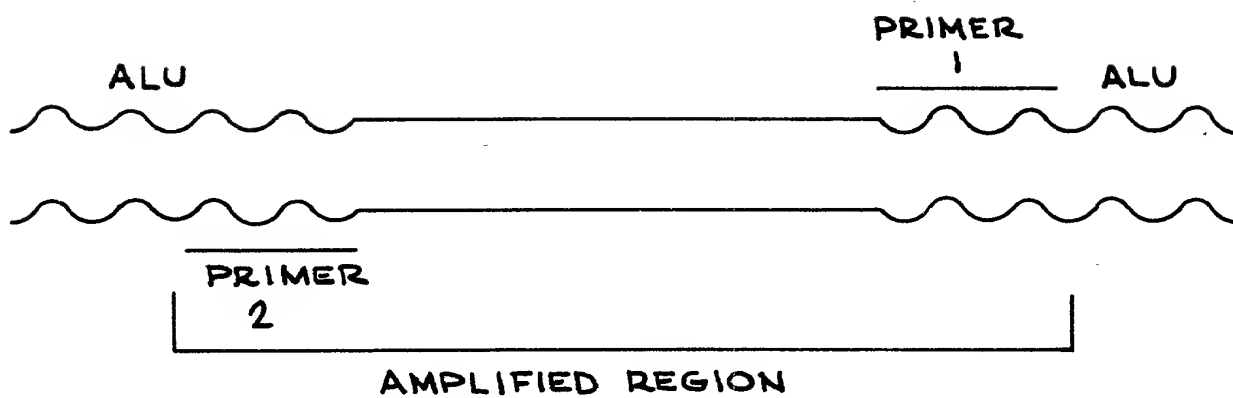


FIG. 7

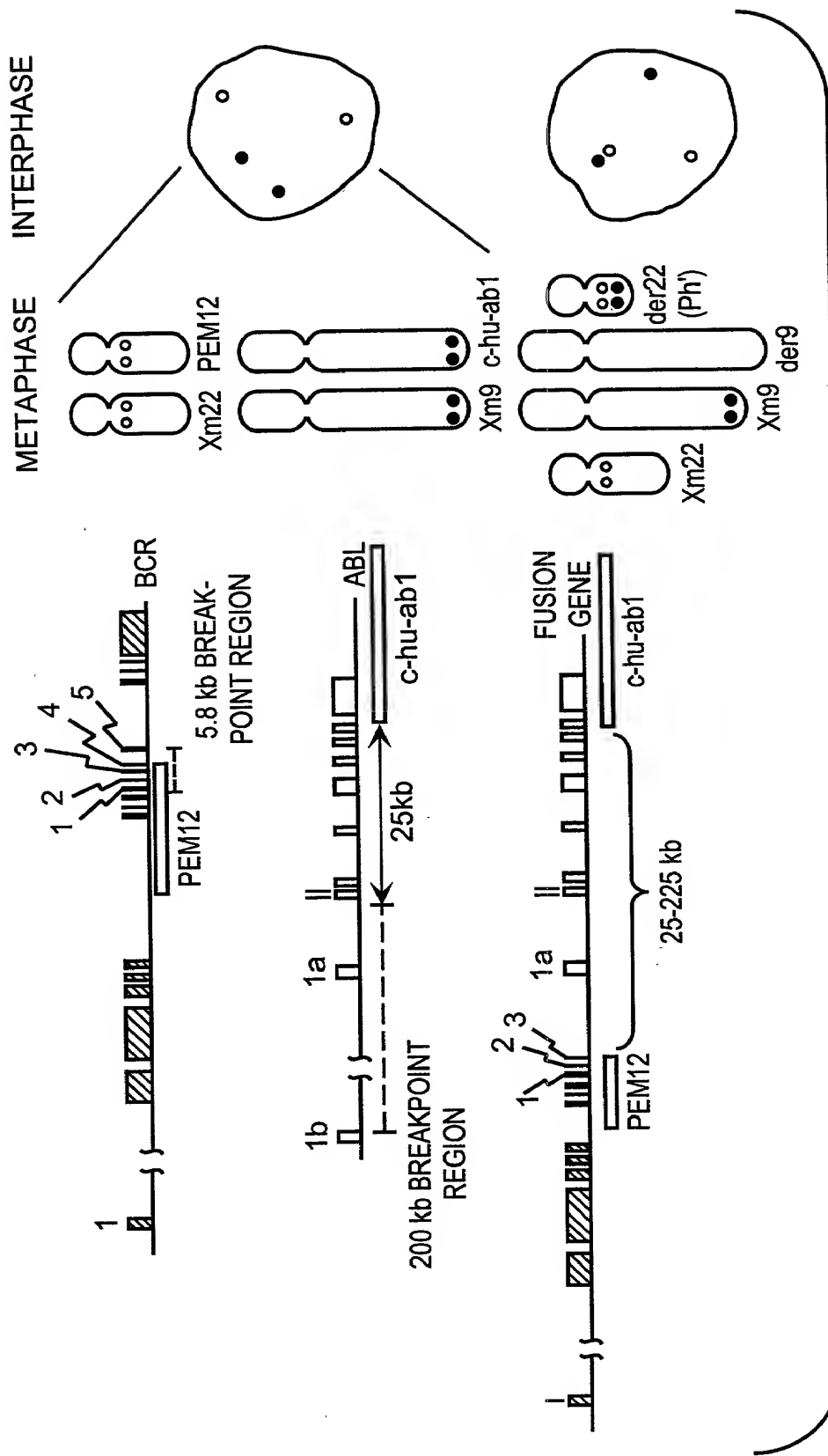


FIG. 8

UNITED STATES PATENT AND TRADEMARK OFFICE
DOCUMENT CLASSIFICATION BARCODE SHEET



Oath/Declaration, Small Entity, and Power of Attorney

8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	Group Art Unit: 1807
Joe W. GRAY et al)	Examiner: A. Marschel
Serial No. 07/537,305)	
Filed: June 12, 1990)	
For: CHROMOSOME-SPECIFIC)	
STAINING TO DETECT)	
GENETIC REARRANGEMENTS)	

APPOINTMENT OF ASSOCIATE ATTORNEYS

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

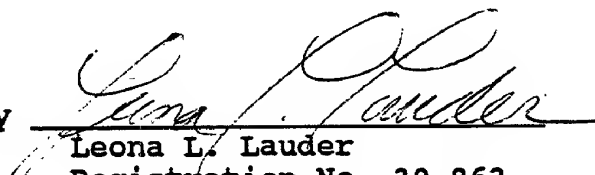
The undersigned principal attorney of record hereby appoints
R. Danny Huntington, Reg. No. 27,903, Robert M. Schulman, Reg.
No. 31,196 and Donna M. Meuth, Reg. No. P-36,607 as associate
attorneys to represent the assignee of the above application in
all matters concerning the application and to transact all
business in the United States Patent and Trademark Office.

Please address all correspondence to:

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P.O. Box 1404
Alexandria, VA 22313-1404
(703) 836-6620

Please direct all telephone calls to R. Danny Huntington at
(703) 836-6620.

Respectfully submitted,

By 
Leona L. Lauder
Registration No. 30,863

Steuart Street Tower, 18th Floor
One Market Plaza
San Francisco, CA 94105

(415) 777-9257

Date: April 19, 1993

COMBINED DECLARATION AND POWER OF ATTORNEY

As the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next to my (our) name(s).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
CHROMOSOME-SPECIFIC STAINING TO DETECT GENETIC REARRANGEMENTS

the specification of which (check one)

☐ is attached hereto ☒ was filed on 06/11/90 as Serial No. 07/537,305
 and was amended on _____ (if applicable).

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I (We) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

NONE

Priority
 claimed

☐ Yes ☐ No

Number	Country	Filed (Day/Month/Year)
I (We) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:		

SEE ATTACHMENT TO COMBINED DECLARATION AND POWER OF ATTORNEY (ATTACHED)

Serial No.	Filing Date	Status																								
<p>POWER OF ATTORNEY: As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.</p> <table border="1"> <thead> <tr> <th colspan="2">Names and Registration Nos.</th> <th colspan="2">Names and Registration Nos.</th> </tr> </thead> <tbody> <tr> <td>Richard E. Constant</td> <td>20,927</td> <td>Roger S. Gaither</td> <td>27,273</td> </tr> <tr> <td>William R. Moser</td> <td>24,763</td> <td>L. E. Carnahan</td> <td>20,555</td> </tr> <tr> <td>Judson R. Hightower</td> <td>26,603</td> <td>Henry P. Sartorio</td> <td>28,535</td> </tr> <tr> <td>Richard A. Lambert</td> <td>25,692</td> <td>Leona L. Lauder</td> <td>30,863</td> </tr> <tr> <td>Robert J. Marchick</td> <td>27,057</td> <td></td> <td></td> </tr> </tbody> </table>			Names and Registration Nos.		Names and Registration Nos.		Richard E. Constant	20,927	Roger S. Gaither	27,273	William R. Moser	24,763	L. E. Carnahan	20,555	Judson R. Hightower	26,603	Henry P. Sartorio	28,535	Richard A. Lambert	25,692	Leona L. Lauder	30,863	Robert J. Marchick	27,057		
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Names and Registration Nos.

Roger S. Gaither	27,273
L. E. Carnahan	20,555
Henry P. Sartorio	28,535
Leona L. Lauder	30,863

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 1000 Independence Avenue S.W.
 United States Department of Energy
 Washington, D. C. 20585

Direct Telephone Calls To:

(Name and Telephone Numbers)

L. E. Carnahan
 FTS 532-4367
 COM (415) 422-4367

ATTACHMENT TO
COMBINED DECLARATION AND POWER OF ATTORNEY

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
497,098	03/20/90	Active
444,669	12/01/89	Active
937,793	12/04/86	Active
819,314	01/16/86	Abandoned
382,094	07/19/89	Active